

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
PHARMA-115

DEC 19 2002

As a below named inventor, I hereby declare that:

My name is Patent & Trademark Office, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought of the invention entitled:

METHOD FOR THE TREATMENT OR PREVENTION OF FLAVIVIRUS INFECTION USING NUCLEOSIDE ANALOGUES

the specification of which (check only one item below):

is attached hereto.
 was filed as United States application

Serial No. _____

on February 20, 2001

and was amended

on _____ (if applicable).

was filed as PCT international application

Number _____

on _____

and was amended under PCT Article 19

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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim priority benefits under Title 35, United States Code, §119 of the following United States Provisional Application and of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR U.S. PROVISIONAL AND FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/183,349	18 FEB 00	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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Send Correspondence to: **MILLEN, WHITE, ZELANO & BRANIGAN, P.C.**
 Arlington Courthouse Plaza I, Suite 1400
 2200 Clarendon Boulevard
 Arlington, Virginia 22201

Telephone No.
703/243-6333

Direct Telephone Calls to:
Brion P. Heaney

2	FULL NAME OF INVENTOR	FAMILY NAME ALAOUI-ISMAILI	FIRST GIVEN NAME Moulay-Hicham	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY NEWTON	STATE OR FOREIGN COUNTRY MASSACHUSETTS	COUNTRY OF CITIZENSHIP CANADA
1	POST OFFICE ADDRESS	STREET 10 Hatfield	CITY NEWTON	STATE & ZIP CODE/COUNTRY MASSACHUSETTS 02465 USA
2	FULL NAME OF INVENTOR	FAMILY NAME CHENG	FIRST GIVEN NAME Yun-Xing	SECOND GIVEN NAME
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2	POST OFFICE ADDRESS	STREET 1840 Auban	CITY PIERREFONDS	STATE & ZIP CODE/COUNTRY QUEBEC H9K 1P5 CANADA
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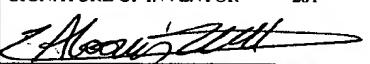
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	RESIDENCE & CITIZENSHIP	CITY MIDDLESEX	STATE OR FOREIGN COUNTRY U.K.	COUNTRY OF CITIZENSHIP UNITED KINGDOM
	POST OFFICE ADDRESS	STREET 26 Cecil Park	CITY MIDDLESEX	STATE & ZIP CODE/COUNTRY UNITED KINGDOM HA5 5HH
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SIGNATURE OF INVENTOR 201 	DATE Nov 26/02	SIGNATURE OF INVENTOR 207 	DATE
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RECEIVED

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TECH CENTER 1600/2900

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			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

Combined Declaration For Patent Application and Power of Attorney (Continued)

(Includes Reference to PCT International Applications)

 ATTORNEY'S DOCKET NUMBER
PHARMA-115

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED

PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			

POWER OF ATTORNEY: As a named inventor, I hereby appoint I. William Millen (19,544); John L. White (17,746); Anthony J. Zelano (27,969); Alan E.J. Branigan (20,565); John R. Moses (24,983); Harry B. Shubin (32,004); Brion P. Heaney (32,542); Richard J. Traverso (30,595); John A. Sopp (33,103); Richard M. Lebovitz (37,067); John H. Thomas (33,460); Catherine M. Joyce (40,668); James T. Moore (35,619), James E. Ruland (37,432), Nancy Axelrod (44,014) and Jennifer J. Branigan (40,921) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to: **MILLEN, WHITE, ZELANO & BRANIGAN, P.C.**
 Arlington Courthouse Plaza I, Suite 1400
 2200 Clarendon Boulevard
 Arlington, Virginia 22201

 Telephone No.
703/243-6333

 Direct Telephone Calls to:
Brion P. Heaney

2	FULL NAME OF INVENTOR	FAMILY NAME ALAOUI-ISMAILI	FIRST GIVEN NAME Moulay-Hicham	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY NEWTON	STATE OR FOREIGN COUNTRY MASSACHUSETTS	COUNTRY OF CITIZENSHIP CANADA
1	POST OFFICE ADDRESS	STREET 10 Hatfield	CITY NEWTON	STATE & ZIP CODE/COUNTRY MASSACHUSETTS 02465 USA
2	FULL NAME OF INVENTOR	FAMILY NAME CHENG	FIRST GIVEN NAME Yun-Xing	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY PIERREFONDS	STATE OR FOREIGN COUNTRY CANADA	COUNTRY OF CITIZENSHIP CANADA
2	POST OFFICE ADDRESS	STREET 1840 Auban	CITY PIERREFONDS	STATE & ZIP CODE/COUNTRY QUEBEC H9K 1P5 CANADA
2	FULL NAME OF INVENTOR	FAMILY NAME LAVALLÉE	FIRST GIVEN NAME Jean-François	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Bellefeuille	STATE OR FOREIGN COUNTRY CANADA	COUNTRY OF CITIZENSHIP CANADA
3	POST OFFICE ADDRESS	STREET 28 Chemin Scraire	CITY Bellefeuille	STATE & ZIP CODE/COUNTRY QUEBEC J0R 1A0 CANADA
2	FULL NAME OF INVENTOR	FAMILY NAME SIDDQUI	FIRST GIVEN NAME MOHAMMAD	SECOND GIVEN NAME ARSHAD
0	RESIDENCE & CITIZENSHIP	CITY NEWTON	STATE OR FOREIGN COUNTRY MASSACHUSETTS	COUNTRY OF CITIZENSHIP CANADA
4	POST OFFICE ADDRESS	STREET 10 Ohio Avenue	CITY NEWTON	STATE & ZIP CODE/COUNTRY MASSACHUSETTS 02465 USA

Combined Declaration for Patent Application and Power of Attorney (Continued)

(Includes Reference to PCT International Applications)

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PHARMA-115

2 0 5	FULL NAME OF INVENTOR	FAMILY NAME STORER	FIRST GIVEN NAME RICHARD	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY MIDDLESEX	STATE OR FOREIGN COUNTRY U.K.	COUNTRY OF CITIZENSHIP UNITED KINGDOM
	POST OFFICE ADDRESS	STREET 26 Cecil Park	CITY MIDDLESEX	STATE & ZIP CODE/COUNTRY UNITED KINGDOM HA5 5HH
2 0 6	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
2 0 7	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
2 0 8	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
2 0 9	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	DATE	SIGNATURE OF INVENTOR 207	DATE
SIGNATURE OF INVENTOR 202	DATE	SIGNATURE OF INVENTOR 208	DATE
SIGNATURE OF INVENTOR 203	DATE	SIGNATURE OF INVENTOR 209	DATE
SIGNATURE OF INVENTOR 204 <i>m-a-siddiq</i>	DATE <i>11/08/02</i>	SIGNATURE OF INVENTOR 210	DATE
SIGNATURE OF INVENTOR 205	DATE	SIGNATURE OF INVENTOR 211	DATE
SIGNATURE OF INVENTOR 206	DATE	SIGNATURE OF INVENTOR 212	DATE

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
PHARMA-115

DEC 19 2002

SC48
PATENT & TRADEMARK OFFICE

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought of the invention entitled:

METHOD FOR THE TREATMENT OR PREVENTION OF FLAVIVIRUS INFECTION USING NUCLEOSIDE ANALOGUES

the specification of which (check only one item below):

is attached hereto.
 was filed as United States application

Serial No. _____

on February 20, 2001

and was amended

on _____ (if applicable).

was filed as PCT international application

Number _____

on _____

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim priority benefits under Title 35, United States Code, §119 of the following United States Provisional Application and of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR U.S. PROVISIONAL AND FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/183,349	18 FEB 00	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
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Combined Declaration For Patent Application and Power of Attorney (Continued)

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Brion P. Heaney

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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
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SIGNATURE OF INVENTOR 203		DATE	SIGNATURE OF INVENTOR 209	DATE
SIGNATURE OF INVENTOR 204		DATE	SIGNATURE OF INVENTOR 210	DATE
SIGNATURE OF INVENTOR 205 <i>Richard Storer</i>		DATE <i>Nov 8th 2001</i>	SIGNATURE OF INVENTOR 211	DATE
SIGNATURE OF INVENTOR 206		DATE	SIGNATURE OF INVENTOR 212	DATE